

## DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **PARALLEL ALIGNMENT METHOD AND APPARATUS FOR CHEMICAL MECHANICAL POLISHING** the specification of which \_\_\_\_ is attached hereto or X was filed on March 11, 1998 as Application No. 09/038,875 and was amended on \_\_\_\_ (if applicable).

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

## Prior Foreign Application(s)

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119
			Yes ____ No ____
			Yes ____ No ____

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date
60/036,298	March 12, 1997

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Date of Filing	Status
08/892,795	Juy 15, 1997	____ Patented <u>X</u> Pending ____ Abandoned
		____ Patented ____ Pending ____ Abandoned

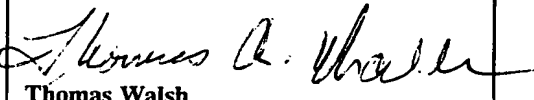
**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Richard T. Ogawa, Reg. No. 37,692  
Robert J. Bennett, Reg. No. 27,533  
Stephen Y. Pang, Reg. No. 38,575

Send Correspondence to: Richard T. Ogawa TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, 8th Floor San Francisco, CA 94111-3834	Direct Telephone Calls to: (Name, Reg. No., Telephone No.)  Name: Richard T. Ogawa Reg. No. 37,692 Telephone: (650) 326-2400
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Full Name of Inventor 1	Last Name <b>Walsh</b>	First Name <b>Thomas</b>	Middle Name or Initial	
Residence & Citizenship	City <b>Templeton</b>	State/Foreign Country <b>CA</b>	Country of Citizenship <b>United States</b>	
Post Office Address	Post Office Address <b>805 Spring Creek Way</b>	City <b>Templeton</b>	State/Country <b>CA</b>	Zip Code <b>93465</b>
Full Name of Inventor 2	Last Name	First Name	Middle Name or Initial	
Residence & Citizenship	City	State/Foreign Country	Country of Citizenship	
Post Office Address	Post Office Address	City	State/Country	Zip Code
Full Name of Inventor 3	Last Name	First Name	Middle Name or Initial	
Residence & Citizenship	City	State/Foreign Country	Country of Citizenship	
Post Office Address	Post Office Address	City	State/Country	Zip Code
Full Name of Inventor 4	Last Name	First Name	Middle Name or Initial	
Residence & Citizenship	City	State/Foreign Country	Country of Citizenship	
Post Office Address	Post Office Address	City	State/Country	Zip Code

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1  <b>Thomas Walsh</b>	Signature of Inventor 2	Signature of Inventor 3
Date <b>7/23/98</b>	Date	Date

## PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT (the "Assignment") is entered into as of December 20, 2000, by Strasbaugh, a California corporation having its principal place of business located at 825 Buckley Road, San Luis Obispo, California ("Seller"), for the benefit of Lam Research Corporation, a Delaware corporation having its principal place of business located at 4650 Cushing Parkway, Fremont, California (the "Company").

### RECITALS

WHEREAS, Seller and the Company are party to a certain Assignment Agreement dated as of December 20, 2000, pursuant to which Seller has agreed to assign, among other things, certain intellectual property to the Company:

NOW, THEREFORE, in consideration of the foregoing and the mutual promises contained herein and other good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, the parties agree as follows:

### ASSIGNMENT

1. Seller Patents. For purposes of this Assignment, "Seller Patents" shall mean each of the patents, patents pending and patent applications listed on *Schedule 1* hereto, and (i) any other patent rights owned or controlled by Seller in patents and patent applications, and the inventions covered by those applications and patents, and Foreign Counterparts (as defined below) thereof, (ii) any additional patent rights Seller now owns, controls or has access to, or may own, control or have access to in the future which are now continuations, continuations-in-part, divisionals or substitutes of the original applications upon which the aforementioned patent rights are based, and the inventions covered thereby, or Foreign Counterparts thereof, and upon any reexaminations, reissues, renewals or extensions thereof, and (iii) any improvements patented by Seller. "Foreign Counterparts" shall mean all foreign patent applications and issued foreign patents, which claim priority from, or share common priority with, an identified United States patent or patent application, or which claim and disclose substantially similar inventions that are the subject matter of such identified United States patent or patent applications.

2. Assignment. Seller hereby assigns, transfers and conveys to the Company all of Seller's rights, title and interest throughout the world in and to the Seller Patents, the underlying inventions described therein, and all rights, claims and privileges pertaining to the Seller Patents.

3. Effective Date. This Assignment shall be effective as of the date set forth above.

(This space intentionally left blank.)

IN WITNESS WHEREOF, the undersigned has executed this Assignment as of the date first written above.

STRASBAUGH,  
a California corporation.

By: [Signature]  
Name: Jim Burke  
Title: CZO

STATE OF CALIFORNIA )  
COUNTY OF SAN FRANCISCO ) ss.

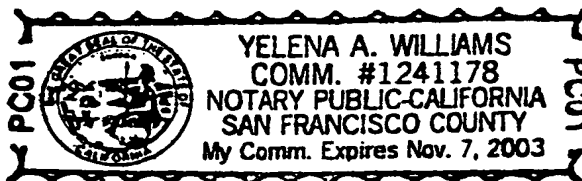
On this 19<sup>th</sup> day of December, in the year of 2000, before me, the undersigned notary public, personally appeared the above-named assignor, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same.

Acknowledged:

LAM RESEARCH CORPORATION,  
a Delaware corporation

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

Date: \_\_\_\_\_, 2000



[Signature]

IN WITNESS WHEREOF, the undersigned has executed this Assignment as of the date first written above.

STRASBAUGH,  
a California corporation.

*April A. Strasbaugh, Secretary*

By: *J. M. Rabe*  
Name: *James M. Rabe*  
Title: *CLO*

Acknowledged:

LAM RESEARCH CORPORATION,  
a Delaware corporation

By: *S. G. Newberry*  
Name: *STEPHEN G. NEWBERRY*  
Title: *President / CEO*

Date: \_\_\_\_\_, 2000

02-14-2001

ASSIGN



SHEET

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2.201

To: Honorable Commissioner of Patents and Trademarks:

Please record the attached original document(s) or copy thereof.

1. Name and address of conveying party(ies)  
Name: Strasbaugh  
Address: 825 Buckley Road, San Luis Obispo, CA 93401

2. Name and address of receiving party(ies):  
Name: Lam Research Corporation  
Address: 4650 Cushing Parkway, Fremont, CA 94538

3. Nature of conveyance  
☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_ ☐ License Agreement

Execution Date: December 19, 2000

4. Application Number: 09/038,875

The title of the application is: PARALLEL ALIGNMENT METHOD AND APPARATUS FOR CHEMICAL MECHANICAL POLISHING

5. Please send all correspondence concerning this (these) documents to:

**Albert S. Penilla, Esq.**  
MARTINE PENILLA & KIM, LLP  
710 Lakeway Drive, Suite 170  
Sunnyvale, CA 94085  
**Customer Number 25920**  
Tel. No. (408) 749-6900  
Fax No.: (408) 749-6901


6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

☒ Enclosed  
☐ Authorized to be charged to Deposit Account No. 50-0805  
(Order No. \_\_\_\_\_)

8. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Date: January 29, 2001

  
Albert S. Penilla, Esq.  
Registration No. 39,487

2/13/2001 6TON11 00000336 09038875

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**UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office**

ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

APRIL 25, 2001

PTAS



\*101612824A\*

MARTINE PENILLA & KIM, LLP  
ALBERT S. PENILLA, ESQ.  
710 LAKEWAY DRIVE, SUITE 170  
SUNNYVALE, CA 94085

**UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/02/2001

REEL/FRAME: 011507/0154  
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
STRASBAUGH

DOC DATE: 12/19/2000

ASSIGNEE:  
LAM RESEARCH CORPORATION  
4650 CUSHING PARKWAY  
FREMONT, CALIFORNIA 94538

SERIAL NUMBER: 09038875  
PATENT NUMBER:

FILING DATE: 03/11/1998  
ISSUE DATE:

VIOLET MCCOY, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

## SCHEDULE 1

### Seller Patents

Legend	
Boyd	John Boyd
Fuhriman	John Fuhriman
Halley	David G. Halley
Kalenian	William J. Kallenian
Lentz	Terry Lentz
Strasbaugh	Alan Strasbaugh
Treur	Randy Treur
Vogtmann	Michael Vogtmann
Walsh	Jeffrey A. Walsh
Wells	Carlton Wells
Wolf	Stephan Wolf

Description of Invention	Inventor	Patent or Application Number
Wafer Carrier For Film Planarization	Strasbaugh	US Patent 5,449,316 Application 08/178,531
Apparatus For Sensing The Presence Of A Wafer	Kalenian, Lentz	US Patent 5,961,169 Application 09/124,160  International Patent Application No. PCT/US99/17037
Wafer Handling Apparatus Having A Resilient Membrane Which Holds Wafer	Strasbaugh	US Patent 5,423,716 Application 80/178,530
Projected Gimbal Point Drive	Halley	Provisional 60/215,666
Accurate Positioning of a Wafer	Vogtmann	US Patent 6,131,589  Application 09/247,108  International Patent Application No. PCT/US99/02699
Non-Contacting Support For A Wafer	Vogtmann	Application 09/247,107
Sensing The Presence of a Wafer	Vogtmann	Application 09/247,108  International Patent Application No. PCT/US99/02699



Description of Invention	Inventor	Patent or Application Number
Lifting And Rinsing A Wafer	Vogtmann	US Patent 6,102,057 Application 09/247,109 International Patent Application No. PCT/US99/02699
Parallel Alignment Method And Apparatus For Chemical Mechanical Polishing	Walsh, Fuhrman, Wells	Application 09/038,875
Optical Viewport for CMP Endpoint Detection	Treur, Wolf, Boyd	US Patent 6,146,242 Application 09/330,472 International Patent Application No. PCT/US00/16026